

# Converting Colors

YIQ(142.9000, -45.8520,  
16.0040)

Have a look what the booklet for  
YIQ(142.9000, -45.8520, 16.0040)  
contains.

<b>YIQ(142.9000, -45.8520, 16.0040)</b> .....	3
<b><i>Conversions</i></b> .....	4
<b><i>Details</i></b> .....	6
<b><i>Harmonies</i></b> .....	12
<b><i>Previews</i></b> .....	24
<b><i>Color Blindness Simulation</i></b> .....	28
<b><i>CSS Examples</i></b> .....	31

# Color

**YIQ(142.9000, -45.8520,  
16.0040)**

# Conversions

## Conversions Part 1

Format	Color
Hex	6D91DD
RGB	109, 145, 221
RGB Percent	43%, 57%, 87%
CMY	0.5726, 0.4313, 0.1336
CMYK	0.51, 0.34, 0.00, 0.13
HSL	221°, 62%, 65%
HSV	221°, 51%, 87%
XYZ	29.4762, 28.7233, 72.3543
YIQ	142.9000, -45.8520, 16.0040

# Conversions

## Conversions Part 2

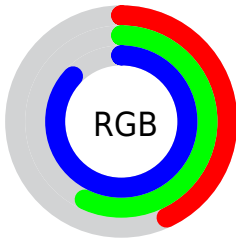
<b>Format</b>	<b>Color</b>
<b>RYB</b>	109, 136, 221
Decimal	7180765
CIELab	60.54, 8.54, -42.57
CIELCh	61, 43.416, 281.344
Yxy	28.7233, 0.2258, 0.2200
Android (android.graphics.Color)	4285370845 (0xFF6D91DD)
YUV	142.9000, 38.5033, -29.7303
Hunter-Lab	53.5941, 4.3834, -42.5282

# Details

The YIQ color **142.9000, -45.8520, 16.0040** is a light color, and the websafe version is hex **6699FF**. A complement of this color would be **187.1000, 45.8520, -16.0040**, and the grayscale version is **143.0000, -0.0000, 0.0000**.

A 20% lighter version of the original color is **195.5170, -37.6440, 10.4200**, and **89.2260, -49.8860, 12.0180** is the 20% darker color. If you saturate the color by 10%, you get **127.5170, -54.8390, 19.1850**, and if you desaturate by 10%, it is **158.2830, -36.8650, 12.8230**.

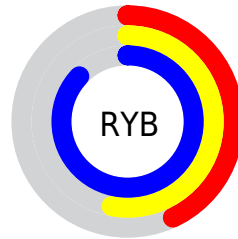
# Distribution



Red (43%)

Green (57%)

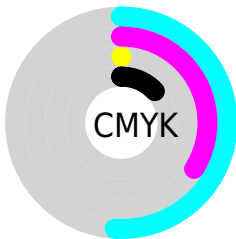
Blue (87%)



Red (43%)

Yellow (53%)

Blue (87%)

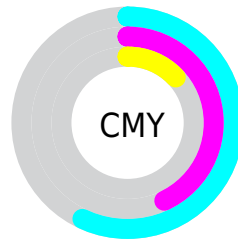


Cyan (51%)

Magenta (34%)

Yellow (0%)

Black (13%)



Cyan (57%)

Magenta (43%)

Yellow (13%)

# Brightness & Saturation Gradients

These gradients show how the YIQ color 142.9000, -45.8520, 16.0040 changes by changing the brightness by 10 percent. The first figure shows a shift by +10% for each color and the second figure -10%.

Similar to the brightness gradients but the following saturation gradients show a change of the YIQ color 142.9000, -45.8520, 16.0040 by changing the saturation by 10% instead.



■ 142.9000,  
-45.8520, 16.0040

■ 142.9000,  
-45.8520, 16.0040

■ 255.0000, -0.0000,  
-0.0000

■ 116.3620,  
-47.2730, 14.2230

■ 195.5170,  
-37.6440, 10.4200

■ 89.2260, -49.8860,  
12.0180

■ 220.6240,  
-28.0600, 1.9240

■ 58.4090, -63.8230,  
5.7850

■ 245.7310,  
-18.4760, -6.5720

■ 42.2320, -50.0230,  
8.9930

■ 254.7010, -0.5960,  
-0.2120

■ 27.6420, -36.4980,  
11.6780

■ 8.4700, -21.0940,  
18.8580

■ 6.4350, -13.9860,

11.1820

■ 2.7530, -6.3740,  
5.3860

■ 0.0000, 0.0000,  
0.0000

■ 142.9000,  
-45.8520, 16.0040

■ 142.9000,  
-45.8520, 16.0040

■ 127.5170,  
-54.8390, 19.1850

■ 158.2830,  
-36.8650, 12.8230

■ 112.1340,  
-63.8260, 22.3660

■ 173.6660,  
-27.8780, 9.6420

■ 96.7510, -72.8130,  
25.5470

■ 189.0490,  
-18.8910, 6.4610

■ 81.3680, -81.8000,  
28.7280

■ 204.4320, -9.9040,  
3.2800

■ 66.8710, -90.4660,  
31.5980

■ 219.8150, -0.9170,  
0.0990

■ 235.4970, 8.6660,  
-2.8700

■ 248.1890, 12.2890,  
-7.9590

■ 251.1240, 10.9140,  
-10.5740

# Harmonies

## Analogous

The Analogous color harmony consists of three colors that are next to each other on the color wheel.



117.0110, -113.1530, -14.3130



142.9000, -45.8520, 16.0040



149.7980, -1.1060, 31.0700

# Triad

The Triadic color harmony groups three colors that are evenly spaced from another and form a triangle on the color wheel.



142.9000, -45.8520, 16.0040



146.0600, 61.6650, 11.3050



126.6920, -50.2440, -36.5800

# Complementary

The Complementary color scheme is a pair of colors which are on the opposite of each other on the color wheel.



142.9000, -45.8520, 16.0040



187.1000, 45.8520, -16.0040

# Split Complementary

Split-complementary colors differ from the complementary color scheme. The scheme consists of three colors, the original color and two neighbors of the complement color.



136.3370, -3.7080, -31.9320



142.9000, -45.8520, 16.0040



144.0780, 52.0860, -7.8340

# Square

The Square scheme is like the rectangle color scheme, but the four colors are evenly spaced on the color wheel.



142.9000, -45.8520, 16.0040



147.2620, 55.8850, 27.9570



140.9730, 29.8520, -23.3960



115.6820, -97.0100, -37.0580



# Rectangle

The Rectangle color scheme consists of four colors that form a rectangle on the color wheel.



142.9000, -45.8520, 16.0040



150.1940, 24.2020, 34.9700



140.9730, 29.8520, -23.3960



131.0270, -32.1340, -34.3900

# Sweetspot

The Sweet Spot groups the original color and five complimentary colors.



142.9000, -45.8520, 16.0040



228.3760, -15.4980, 5.5420



183.2940, -54.8750, -35.2510



111.7310, -9.3080, 3.4920



0.0000, 0.0000, 0.0000



128.0000, -0.0000, -0.0000



# Same Dimension

The Same Dimension uses a secret algorithm to generate beautiful new colors.



142.9000, -45.8520, 16.0040



146.7210, -64.1010, 21.8430



127.4490, -24.6280, 38.8600



102.0150, -4.3560, 1.8520



52.5940, -70.9330, 24.5150



14.0490, -18.8910, 6.4610



# Inverse Universe

The Inverse Universe completely reimagines the original color for something new.



146.5920, 55.1960, 34.9400



151.4580, 76.6050, 48.9330



202.5510, 24.6280, -38.8600



102.6310, 5.5930, 3.2650



58.1110, 85.1320, 54.0920

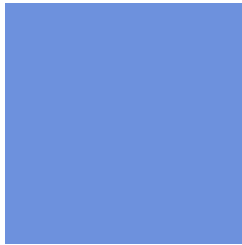


15.4640, 22.6010, 14.4170



# Previews

## White Background



This preview shows how the YIQ color 142.9000, -45.8520, 16.0040 looks on a white background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

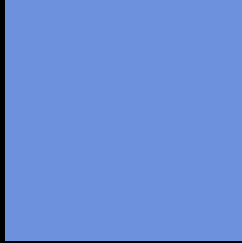
Any Text WCAG AA × Fail

Large Text (above 18pt) WCAG AAA × Fail

Any Text WCAG AAA × Fail



# Black Background



This preview shows how the YIQ color 142.9000, -45.8520, 16.0040 looks on a black background.

## Color Contrast Check

Large Text (above 18pt) WCAG AA ✓ Pass

Any Text WCAG AA ✓ Pass

Large Text (above 18pt) WCAG AAA ✓ Pass

Any Text WCAG AAA × Fail

If you want to check with other color combinations, try the [Color Contrast Checker](#).

# YIQ 142.9000, -45.8520, 16.0040

## Background



This preview shows how black text looks on a background with the YIQ color 142.9000, -45.8520, 16.0040.



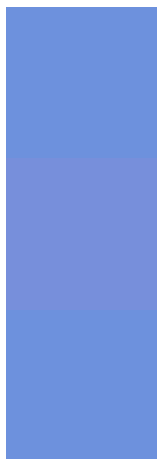
This preview shows how white text looks on a background with the YIQ color 142.9000, -45.8520,



# Color Blindness Simulation

Color vision deficiency is a very complex topic, and I could not describe the different causes any better than Wikipedia does, so if you want to learn more, you should check out their [article about color blindness](#).

## Dichromacy



### Original Color

142.9000, -45.8520, 16.0040

### Protanopia

144.4880, -38.7000, 18.5480

### Deuteranopia

142.9000, -45.8520, 16.0040



## Tritanopia

138.2320, -41.9960, -9.8360

# Trichromacy



## Original Color

142.9000, -45.8520, 16.0040

## Protanomaly

143.9930, -41.6800, 17.4880

## Deuteranomaly

142.9000, -45.8520, 16.0040

## Tritanomaly

139.8440, -43.4190, -0.5630

# Monochromacy



## Original Color

142.9000, -45.8520, 16.0040

## Achromatopsia

143.0000, -0.0000, 0.0000

## Achromatomaly

143.1910, -16.4150, 5.6410

# CSS Examples

## Text

The CSS property to change the color of the text to YIQ 142.9000, -45.8520, 16.0040 is called "color". The color property can be set on classes, ids or directly on the HTML element.

This example shows how text in the color `rgb(109, 145, 221)` looks like.

```
.text, #text, p{  
    color:rgb(109, 145, 221)  
}
```

If you want to add a text shadow in that color use the text-shadow property, you can generate a text shadow directly with our [CSS Text Shadow Generator](#).

Here you see how black text with a 4 pixel rgb(109, 145, 221) colored shadow looks like.

```
.shadow{ text-shadow: 4px 4px 2px rgb(109, 145, 221) }
```

## Border

The CSS property to change the border of an element to YIQ 142.9000, -45.8520, 16.0040 is called "border". The border property can be set on classes, ids or directly on the HTML element.

This example shows the color as border, it can be applied via the CSS property "border" or "border-color".

```
.border, #border, table{ border:4px solid rgb(109, 145, 221) }
```



If only the border color should be changed use the property `border-color`.

```
.border{ border-color:rgb(109, 145, 221) }
```

If you want to add a box shadow in that color use:

Here you see how a box with a 4 pixel `rgb(109, 145, 221)` colored shadow looks like.

```
.boxshadow{ -moz-box-shadow:4px 4px 4px 4px rgb(109, 145, 221); -webkit-box-shadow:4px 4px 4px 4px rgb(109, 145, 221); box-shadow:4px 4px 4px 4px rgb(109, 145, 221) }
```

# Background

The CSS property to change the background color of an element to YIQ 142.9000, -45.8520, 16.0040 is called "background". The background property can be set on classes, ids or directly on the HTML element.

```
.background, #background, body{  
background: rgb(109, 145, 221) }
```

If only the background color should be changed can be used:

```
.background{ background-color: rgb(109,  
145, 221) }
```

This example shows the color as background, it is applied via the CSS property "background".

To optimize and compress your CSS code, you can use our [online CSS compressor and optimizer](#) based on csstidy. If you want to create a linear or radial gradient as background or border, check our [CSS Gradient Generator](#).

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